Welcome GSA Virtual Workshop Attendees!

Analyzing Longitudinal Aging Studies within an Interoperability Environment: The NACDA Data Portal

Plan for Today: 4hr workshop - 4 sessions

• Welcome, intros, technical (5min)
• **Session 1** – NIA Program Priorities – John Phillips (40min)
• 5min Break
• **Session 2** - MIDUS and the MIDUS portal - Barry Radler (45min)
• 20min Break
• **Session 3** - NACDA and the NACDA portal - James McNally, Kathryn Lavender (60 min)
• 10min break
• **Session 4** - Colectica, demo, benefits to using - Jeremy Iverson (45min)
• Open question/discussion (10min)
• End workshop 2pm EST
Our Presenters

- **Dr. John Phillips** - Chief of the Population and Social Processes Branch (PSP) of the NIA Division of Behavioral and Social Research (BSR). During a career spanning over 20 years, John has worked to produce research and data resources on aging related topics.

- **Dr. Barry Radler** - Research background is in quantitative social science with a focus on how information technologies can improve research processes and data. Dr. Radler is currently the Survey Project Manager and Data Management Director for the MIDUS study ([www.midus.wisc.edu](http://www.midus.wisc.edu)) at the UW-Madison Institute on Aging.

- **Dr. James McNally** - Director of NACDA for 20 years, researches family support and health among the aged, in the United States and internationally. He also studies the impacts of heterogeneity on health outcomes among elderly U.S. Asian/Pacific Islander populations.

- **Kathryn Lavender** – Data Project Manager for NACDA with 14 years of experience in social science data management.

- **Jeremy Iverson** - Co-founder and partner at Colectica where he helps build software to document statistical data using open standards. Previously, he was a programmer at the Wisconsin Longitudinal Study, working to process, document, and disseminate data for the long-running study. Jeremy is currently an invited expert on the Data Documentation Initiative’s (DDI) Technical Committee.
Analyzing Longitudinal Aging Studies within an Interoperability Environment:

The NACDA Data Portal

NACDA Director Dr. James McNally,
NACDA Data Project Manager Kathryn Lavender
November 10, 2021
NACDA Session

- Why Interoperability?
- Intro to NACDA
- Intro to NACDA Colectica Portal
- How to Download Data from the NACDA Portal – Customized Datasets
- How to Search the NACDA Site
- How to Download Data from the NACDA Site – Whole Datasets
- Related Publications
- How to Cite the Data You Use
- How to Share Your Data

We will share these slides from our NACDA announcements page after the conference.
In Search of a Superpopulation

The superpopulation and the finite population concepts are compatible if one views the finite population labels (which are needed to allow specific units to be sampled) to be part of the superpopulation model. Doing so, the final sample can be thought of as the result of a two-step process:

First, the finite population is selected from a superpopulation according to the superpopulation model.

Then, after each unit is identified with a label and related information, a sample design is formed and the final sample of units is selected. The measured characteristics are known only for the final sample. However, other information, such as the information used as part of the sample design, will be known for the entire finite population.
ICPSR has produced study descriptions, or metadata records, describing its holdings since the organization began in 1962. In the 1980s the metadata records were converted to a standardized, fielded text format. In 1999, ICPSR received an NSF Infrastructure in the Social Sciences award (SES-9977984), which enabled us to enrich the content of the records and to convert them to XML. In 2006, ICPSR, in partnership with the University of Michigan Library, produced MARC records for its collection. More recently, ICPSR has added machine-readable schema.org markup in JSON-LD format to dataset landing pages.
Search/Compare Variables

The Social Science Variables Database (SSVD) enables ICPSR users to examine and compare variables and questions across studies or series. The SSVD currently includes over 5 million variables, representing about 76% of ICPSR's holdings that have quantitative data described in statistical syntax.

The SSVD does not include our entire collection. For a comprehensive search of all datasets, use our main data search, which indexes all of the documentation available for our studies, including the variable descriptions.

Comparing Variables

Select checkboxes, and then select "Compare" from the Actions button. This will take you to a screen where you can compare the details of the variables you chose.
Research data is used in a systematic manner to build models that measure specific activities, populations, or behaviors of interest. To accomplish this, researchers use frameworks that attempt to capture and model outcomes that follow theoretical pathways. To build and analysis model based on a specific research framework such as Social Determinants of Health, the analyst needs access to a specified set of variables. NACDA seeks to organize and present variables commonly used in research frameworks using Variable Cascades.

The variable-cascade is an essential tool for organizing compatibility across longitudinal study waves and creating cross-study linkages for related, though independent studies. Variable-cascades consist of four levels, each level corresponding to more detailed descriptions. The levels also indicate the main focus of the descriptive label. The Concept and Conceptual Variable provide details about the concepts employed. The Represented Variable and Instance Variable provide details about the codes, characters, and numbers that define higher-level concepts.
### Step 4: Harmonization and Quasi-Harmonization

NACDA Concordance Sheet for Levels of Conceptual Variable Comparability

<table>
<thead>
<tr>
<th>Topical Groups and Subgroups</th>
<th>NEW Cross-Series Conceptual Items</th>
<th>Comparability note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respondent demographics</td>
<td>Number of stepchildren</td>
<td>One to many</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Number of sons</td>
<td>Directly comparable</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Number of daughters</td>
<td>Directly comparable</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Born in the US</td>
<td>Need harmonization</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Financial status in childhood</td>
<td>Need harmonization</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Lived with both parents in childhood</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Health status in childhood</td>
<td>Need harmonization</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Gender of partner</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Education of spouse or partner</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Respondent demographics</td>
<td>Internet use</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Social life</td>
<td>Size of social network</td>
<td>Need harmonization</td>
</tr>
<tr>
<td>Social life</td>
<td>Socializing with friends or family</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Social life</td>
<td>Volunteer work</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Social life</td>
<td>Attending organized group activities</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Social life</td>
<td>Attending religious services</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Social life</td>
<td>Total years lived in current neighborhood</td>
<td>Directly comparable</td>
</tr>
<tr>
<td>Biomeasures</td>
<td>Current weight</td>
<td>Directly comparable</td>
</tr>
<tr>
<td>Biomeasures</td>
<td>Waist measurement final status</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Biomeasures</td>
<td>Waist measurement (inches)</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Biomeasures</td>
<td>Height</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Biomeasures</td>
<td>Height (feet)</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Biomeasures</td>
<td>Height (inches)</td>
<td>Related concepts</td>
</tr>
<tr>
<td>Study Title/Investigator</td>
<td>Released/Updated</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------------</td>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td><strong>2. National Social Life, Health, and Aging Project (NSHAP): Round 2 and Partner Data Collection, [United States], 2010-2011 (ICPSR 34921)</strong>&lt;br&gt;Waite, Linda J.; Cagney, Kathleen A.; Dale, William; Huang, Elbert; Laumann, Edward O.; McClintock, Martha K.; O’Muircheartaigh, Colm A.; Schumm, L. Phillip; Cornwell, Benjamin</td>
<td>2019-06-19</td>
<td></td>
</tr>
<tr>
<td><strong>3. National Social Life, Health and Aging Project (NSHAP): Round 3, [United States], 2015-2016 (ICPSR 36873)</strong>&lt;br&gt;Waite, Linda; Cagney, Kathleen; Dale, William; Hawkley, Louise; Huang, Elbert; Lauderdale, Diane; Laumann, Edward O.; McClintock, Martha; O’Muircheartaigh, Colm; Schumm, L. Philip</td>
<td>2019-03-08</td>
<td></td>
</tr>
</tbody>
</table>
Step 5: Interoperability – the NACDA Portal
What is NACDA?

• The National Archive of Computerized Data on Aging
• **Free data** on aging resources and data user support
• Preserving and sharing data resources for 35+ years
• Part of ICPSR, ISR at the University of Michigan
• Funded by the National Institute on Aging (NIA)
NACDA is a Resource for Data on Aging

- Indexed and searchable secondary data on aging resources
- Data preservation
- Data usage tracking
- Data sharing
- Code sharing
- Linking data to publications
- Data user support and outreach
We are going to be talking today about Variable-Level Metadata efforts, but there are many types of and purposes for metadata, and often you need one to effectively assess and use the other. NACDA and ICPSR typically work with:

- **Series-level** – a series is a set of studies intended to be used together; series metadata describe several studies and can include topics, timeframes, and anything else that applies to all of the studies that belong to a series.
- **Study-level** – a study at NACDA and ICPSR is a unique data collection which can be comprised of a single or multiple datasets, questionnaires, etc. Study metadata would be the title, universe, methodology, sampling, collection dates, subject terms...
- **File-level** – file metadata describes a specific file within a series, study, project, etc. (this is an area we are currently developing further); it can include version, filetype, etc.
- **Variable-level** – variable metadata gives context to the data points in a dataset, and includes the variable label, value labels, values, related question/record info, etc.
NACDA Preserves, Provides, and Promotes Longitudinal Data on Aging Resources

<table>
<thead>
<tr>
<th>Study</th>
<th>Start Year</th>
<th>Country</th>
<th>Sample</th>
<th>Age Group</th>
<th>Cognition</th>
<th>Biomeasures</th>
<th>Caregiving</th>
<th>Physical Health</th>
<th>Dementia</th>
<th>Depression</th>
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</thead>
<tbody>
<tr>
<td>ACL</td>
<td>1986</td>
<td></td>
<td>Multi-stage</td>
<td>25+</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
</tr>
<tr>
<td>HRIS*</td>
<td>1992</td>
<td></td>
<td>Multi-stage</td>
<td>51-61</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>SWAN</td>
<td>1994</td>
<td></td>
<td>Site-specific, women</td>
<td>40-55</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>MIDUS</td>
<td>1995</td>
<td>U.S. National</td>
<td>General population, plus oversamples</td>
<td>25-74</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>NSHAP</td>
<td>2005</td>
<td></td>
<td>Complex</td>
<td>Adults born 1920-1947</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
</tr>
<tr>
<td>NHATS**</td>
<td>2011</td>
<td></td>
<td>Medicare beneficiaries ages 65+</td>
<td>65+</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>SATSA</td>
<td>1984</td>
<td>Sweden</td>
<td>All pairs of twins from the Swedish Twin Reg. separated before age 10</td>
<td>25+</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>CLHIS</td>
<td>1998</td>
<td>China</td>
<td>Randomly selected</td>
<td>Centenarians and older</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>SAGE</td>
<td>2002</td>
<td>6 Countries</td>
<td>Representative</td>
<td>18+</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>CREFES</td>
<td>2004</td>
<td>Costa Rica</td>
<td>Census drawn</td>
<td>Adults born 1945 or earlier</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>na</td>
<td>x</td>
</tr>
<tr>
<td>SHARE*</td>
<td>2004</td>
<td>27 European countries + Israel</td>
<td>Probability</td>
<td>50+</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>MIDIA (part of MIDUS series)</td>
<td>2008</td>
<td>Japan</td>
<td>Probability</td>
<td>30-79</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>TILDA</td>
<td>2009</td>
<td>Ireland</td>
<td>Complex</td>
<td>50+</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>HAALSI</td>
<td>2014</td>
<td>South Africa</td>
<td>INDEPTH, Census and WHO SAGE based</td>
<td>40+</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>na</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>
The NACDA-ICPSR Portal facilitates efficient comparisons of public longitudinal data (on aging).

The Portal is based on the DDI metadata standard and is powered by Colectica software.

Search across all datasets in the Portal, by variable name, label, question text, or topic/concept.

Download custom variable subsets and documentation.
NACDA Colectica Portal –
https://harmonize.icpsr.umich.edu/

It's free, but registration is required (independent of ICPSR MyData). The terms of use are the same as ICPSR’s terms of use.
What’s in the NACDA Portal?

• National Social Life, Health, and Aging Project (NSHAP) public data and metadata – 3 Rounds
• National Health and Aging Trends Study (NHATS) metadata – 8 Rounds
• Midlife in the United States (MIDUS) metadata – M1-M3, Refresher, Milwaukee studies
• Comparisons across NSHAP – NHATS and NSHAP-MIDUS at the variable level, organized by concept
• Data can be downloaded as CSV or SPSS formats; metadata documentation can be downloaded as PDF, CSV, Excel, or DDI-3.3 XML
What is the Process?

• We identify longitudinal data collections with publicly accessible data, which are nationally representative, funded by NIA, and with cognition, Alzheimer’s, dementia, and biomeasures variables in particular but that overall have a broad range of potential research uses.

• We start with a variable crosswalk organized by topic – this is often created in Excel.

• From there, the metadata specialist creates a conceptual concordance file.

• After that, we send the materials, data, concordance, any DDI files we have, to the Colectica team and they make the comparisons appear in the portal.
A Bit More about the “How”

The concordance file needs to outline the variables, represented variables, and conceptual variables. Additionally, when you have multiple series, we include comparability type.

- **Variable**: A column in a dataset.
- **Represented Variable**: Describes how a variable is measured; the data type. This may be consistent across rounds, or may change.
- **Conceptual Variable**: Describes a measurement of a person, firm, or other thing, without specifying the data type. The most generic way to describe something that is measured.
NSHAP Concepts/Topics

- Administrative Variables
- Military Service and Jail Time
- Social Networks and Social Support/Social Context
- Social Relationships and Activities
- Children and Grandchildren
- Childhood Background
- Neighborhood
- Other People's Behavior Towards You
- Social Relationships and Activities/Bereavement
- Marriage/Cohabitation/Sexual Partner History
- Sexual Interest and Motivation

- Current or Most Recent Sexual Relationship
- Health
- Physical Health
- Fertility and Menopause
- Medical Decision Maker
- Health-related Behaviors
- Short Portable Mental Status Questionnaire
- Biomeasure Questionnaire - Montreal Cognitive Assessment (MOCA)
- Biomarker Break/Biomarker Core
- Biomeasures - Blood Pressure and Pulse, Smell, Saliva and Medication Log
- Medications (Biomarker)
NSHAP-MIDUS Conceptual Groups

Conceptual Variable Group

- Administration
- Respondent demographics
- Respondent background
- Personal relationships
- Social life and relationships
- Caregiving
- Neighbors / Current neighborhood
- Discrimination
- Sexual life and behavior
- Access to healthcare
- Health insurance plans
- Physical and mental health, self-rated
- Pain
- Physical health
- Health-related behaviors
- Cognitive function
- Biomeasures
- Biomarkers
- Medications
- Biophysics
- Depression, Anxiety and Stress
- Loneliness
- Personality, self-assessed
- Employment status
- Income
- Religion
Exploring the NACDA Portal

- NHATS Concept System
- NSHAP-MIDUS Cross Series Comparison
- MIDUS Concept System
- NSHAP Concept System
- NSHAP-NHATS Cross Series Comparison
# Cross-Series Comparison – NSHAP-MIDUS

## National Social Life, Health, and Aging Project (NSHAP)

<table>
<thead>
<tr>
<th>Round 1 Core Data</th>
<th>Round 2 Core Data</th>
<th>Round 3 Core Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSHAP Round 1</td>
<td>NSHAP Round 2</td>
<td>NSHAP Round 3</td>
</tr>
</tbody>
</table>

## Midlife in the United States

<table>
<thead>
<tr>
<th>MIDUS 1 Project 1</th>
<th>MIDUS 2 Project 1</th>
<th>MIDUS 3 Project 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIDUS 2 Project 4</td>
<td>MIDUS 3 Project 1</td>
<td>MIDUS 3 Milwaukee (aka MKE2)</td>
</tr>
</tbody>
</table>

### Round 1 Core Data

- **Difficulty walking one block**
  - WALKBLK
  - WALKBLK
  - WALKBLK
  - A1SA17G
  - B1SA28H
  - CISA24H
  - BACAS28H
  - CACAS28H
  - RA1SA24H

### Round 2 Core Data

- **Difficulty bathing or dressing**
  - A1SA17B
  - B1SA28B
  - CISA24B
  - BACAS28B
  - CACAS28B
  - RA1SA24B

- **Difficulty dressing**
  - DRESSING
  - DRESSING
  - DRESSING

- **Difficulty dressing**
  - BATHING
  - BATHING
  - BATHING

### Round 3 Core Data

- **Hearing aid**
  - HEARAID
  - B4P6C

---

**nacda-aging.org**
Colectica Portal – Variable View

Conceptual Variable

Name: CON_DRESSING
Label: difficulty dressing

Statistics

<table>
<thead>
<tr>
<th>% of valid</th>
<th>% of total</th>
</tr>
</thead>
</table>

National Social Life, Health, and Aging Project (NSHAP)

<table>
<thead>
<tr>
<th>Dataset</th>
<th>Variable</th>
<th>Valid</th>
<th>Invalid</th>
<th>Min</th>
<th>First Quartile</th>
<th>Median</th>
<th>Third Quartile</th>
<th>Max</th>
<th>Mean</th>
<th>StdDev</th>
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</thead>
<tbody>
<tr>
<td>NSHAP Round 1 Core Data</td>
<td>DRESSING</td>
<td>3,003</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSHAP Round 2 Core Data</td>
<td>DRESSING</td>
<td>3,196</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSHAP Round 3 Core Data</td>
<td>DRESSING</td>
<td>4,377</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td></td>
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</tbody>
</table>
Colectica Portal – Basket/Custom Files
What’s Next for the Portal?

• We are applying for more funding to support enhancing the portal.
• We want to add more data to the portal.
  • TILDA, ACL, HAALSI, and more
• We want to add more variable-level metadata comparisons to the portal (cross-series comparisons).
• We want to figure out how to properly preserve the materials related to the portal work.
• We hope to assist in establishing social science Common Data Elements (CDEs) on aging and related health topics.
Find Out More about our Cross-Series Comparison Efforts: Working Paper and Webinar

• **Identifying Cross Series Cognitive Data Similarities Across NSHAP and NHATS**

• **Navigating Longitudinal Collections with Colectica Portals**
### Another Source: Gateway to Global Aging

#### Surveys at a Glance

<table>
<thead>
<tr>
<th>Study Overview</th>
<th>Core Interview</th>
<th>End of Life Interview</th>
<th>Life History</th>
<th>Health Assessment</th>
<th>Self-Completion</th>
<th>HCAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRS</td>
<td>MHAS</td>
<td>ELSA</td>
<td>SHARE</td>
<td>CRELES</td>
<td>KLoSA</td>
<td>JSTAR</td>
</tr>
<tr>
<td>United States</td>
<td>Mexico</td>
<td>England</td>
<td>20+ European countries &amp; Israel</td>
<td>Costa Rica</td>
<td>Korea</td>
<td>Japan</td>
</tr>
</tbody>
</table>

#### Respondent Eligibility

- **Age Eligibility**: 51, 50, 50, 50, Cohort 1: 55-60 / Cohort 2: 50-55
- **One or all age-eligible**: one, one, all, one, one
- **Spouse Inclusion**: regardless of age, regardless of age, regardless of age, regardless of age, Cohort 1: none / Cohort 2: regardless of age
- **Survey Method**: In-person/phone/self-completion, In-person, In-person, In-person/self-completion, In-person, In-person/self-completion, In-person, In-person, In-person, In-person
Search for Data from the NACDA Site

- By Variable
- By Series
- By Publication
- By P.I.
- By Study
- By Terms Across All
- By Access Level

NACDA
National Archive of Computerized Data on Aging

Search Results
Showing 1 - 50 of 1,582 results.

Studies (1,582)
Data-related Publications (33,939) Variables (1,100,708) Series (66) NACDA Website (145)

Study Title/Investigator
1. Giving Support Moderates the Association Between Social Relationships and Interleukin-6
Jiang, Tao; Yakin, Syamil; Crocker, Jennifer; Way, Baldwin
2021-11-02

2. Survey of Consumer Finances, 1984 (ICPSR 7444)
University of Michigan, Survey Research Center. Economic Behavior Program
2021-10-21

Bynum, Julie
2021-10-20

4. China Multi-Generational Panel Dataset, Shuangcheng (CMGPD-SC), 1866-1913 (ICPSR 35292)
Bynum, Julie
2021-10-14

5. Survey of Consumer Attitudes and Behavior, Summer 1973 (ICPSR 7478)
University of Michigan, Survey Research Center. Economic Behavior Program
2021-09-27

2021-09-20

2021-09-15

8. Midlife in the United States: Refresher Sample Mortality Data, 2010 (ICPSR 38024)
2021-09-14
Search by Variable from the NACDA Site

NACDA
National Archive of Computerized Data on Aging

Search Results
Showing 1 - 4 of 4 results.
“difficulty dressing”

Sort by:
Relevance

Label/Question Text

Difficulty dressing
We are interested in what activities are easy or difficult for you. Please look at the answer categories on the hand card and tell me how much difficulty you have with each activity. Exclude any difficulties that you expect to last less than three months. (USE HAND CARD 1). Dressing, including putting on shoes and socks?


Data Type: numeric
Dataset: DS1 - Core Data, Public Use

Difficulty dressing
Please look at the answer categories on the hand card and tell me how much difficulty you have with each activity. Exclude any difficulties that you expect to last less than three months. Dressing, including putting on shoes and socks?


Data Type: numeric
Dataset: DS1 - Core Data
These are the same variables I displayed in the portal screenshot a few slides ago.
Again, these are the same variables from the portal, NSHAP, related to functional health. This view is from the NSHAP series page on the NACDA site.
### Compare Variables

<table>
<thead>
<tr>
<th>NAME</th>
<th>LABEL</th>
<th>QUESTION</th>
<th>RESPONSES</th>
<th>UNWEIGHTED FREQUENCY %</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRESS</td>
<td>difficulty dressing</td>
<td>We are interested in what activities are easy or difficult for you. Please look at the available categories on the list and select the ones that apply to you.</td>
<td>Some difficulty with dressing, including putting on shoes and clothes.</td>
<td>278  15.3%</td>
</tr>
</tbody>
</table>

#### National Social Life, Health, and Aging Project (NASHAP)

NASHAP Round 1  | NASHAP Round 2  | NASHAP Round 3

| difficulty preparing meals | PREPMEAL | PREPMEAL | PREPMEAL |
| difficulty taking medications | TAKEMEDS | TAKEMEDS | TAKEMEDS |
| difficulty managing money | MANAGEMONEY | MANAGEMONEY | MANAGEMONEY |
| difficulty shopping for groceries | SHOPFOOD | SHOPFOOD | SHOPFOOD |
| difficulty performing light housework | LIGHTWORK | LIGHTWORK | LIGHTWORK |
| difficulty using a telephone | USETELEP | USETELEP | USETELEP |
| difficulty walking across room | WALKROOM | WALKROOM | WALKROOM |
| difficulty walking one block | WALKBLK | WALKBLK | WALKBLK |
| difficulty dressing | DRESSING | DRESSING | DRESSING |
| difficulty bathing or showering | BATHING | BATHING | BATHING |

nacda-aging.org
Study results are the default search view across NACDA and ICPSR.

<table>
<thead>
<tr>
<th>Study Title/Investigator</th>
<th>Released/Updated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicare Health Outcomes Survey (HOS), 1998-2014 (ICPSR 23380)</td>
<td>2016-05-26</td>
</tr>
<tr>
<td>United States Department of Health and Human Services. Centers for Medicare and Medicaid Services</td>
<td></td>
</tr>
<tr>
<td>National Health Interview Survey: Longitudinal Study of Aging, 70 Years and Over, 1984-1990 (ICPSR 8719)</td>
<td>2011-08-18</td>
</tr>
<tr>
<td>National Longitudinal Study of Adolescent to Adult Health (Add Health) Parent Study: Public Use, [United States], 2015-2017 (ICPSR 37375)</td>
<td>2020-08-10</td>
</tr>
<tr>
<td>Harris, Kathleen Mullan; Hotz, V. Joseph</td>
<td></td>
</tr>
</tbody>
</table>
To look at the files that are available, select the “Data & Documentation” tab. Files are listed by dataset.

You can preview and download documentation before downloading the data.
Downloading Data From a NACDA Study Page

Series:
- National Social Life, Health, and Aging Project (NSHAP)

https://doi.org/10.3886/ICPSR20541.v9

Version V9 (see more versions)

Documentation Only
- SAS
- SPSS
- Stata
- R
- ASCII
- Delimited
- Other

Files
- DS1 Core Data: 28 MB
- DS2 Marital/Cohabiting History Data: 0 bytes
- DS3 Social Networks Data: 4 MB

Notes
- The public-use data files in this collection are available for access by the general public. Access does not require affiliation with an ICPSR member institution.
- One or more files in this data collection have special restrictions. Restricted data files are not available for direct download from the website; click on the Restricted Data button to learn more.
## Download Data from the NACDA Site

### At A Glance

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Preview</th>
<th>Download</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS0 Study-Level Files</td>
<td>12 MB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DS1 Core Data</td>
<td>28 MB</td>
<td></td>
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<tr>
<td>DS2 Marital/Cohabiting History Data</td>
<td>0 bytes</td>
<td></td>
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<tr>
<td>DS3 Social Networks Data</td>
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<td>DS4 Medications Data</td>
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<td></td>
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<tr>
<td>DS5 Sexual Partners Data</td>
<td>0 bytes</td>
<td></td>
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<tr>
<td>DS6 PI. NSHAP Wave 1 Stata Data Files</td>
<td>0 bytes</td>
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</tr>
<tr>
<td>DS7 PI. NSHAP Wave 1 Public Use Stata Data Files</td>
<td>2 MB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes
- The public-use data files in this collection are available for access by the general public. Access does not require affiliation with an ICPSR member institution.
- **One or more files in this data collection have special restrictions.** Restricted data files are not available for direct download from the website; click on the Restricted Data button to learn more.
- The NSHAP data are available in the NACDA Colectica Portal where data users can search across the rounds and create custom data and documentation extracts.

In this portal, data users will also find that we have compared NSHAP to NHATS and NSHAP to NHIS to match comparable variables within waves concerning health and economic characteristics.
Register to Download Data from NACDA and ICPSR

- It’s free
- Very little info is needed
- We do not spam you or sell your data
Download Data - Steps

- Select the files you want
- Agree to the terms of use
- Make sure you are logged in to your MyData Account
- Check your downloads folder
Have You Used NACDA or ICPSR Data?
Submit Your Citation to Us

Email us at icpsr-nacda@umich.edu or use our ICPSR citation submission form that provides the citation directly to our bibliography team. Your publication will be linked to the data you used and become part of our bibliography database!
How to Share Your Data – “Deposit”

Prepare to provide:
- Title
- PI
- Description
- Data Files
- Codebook
- Questionnaire
- Relevant Syntax
- Methodology Info
- User Guide

Anytime you need help depositing, email us: icpsr-nacda@umich.edu
How to Deposit with NACDA

Deposit Data - NACDA welcomes and encourages deposits of digital data on aging.

Deposits are made using a secure form to describe the data collection and upload content. Users must have or create a MyData, Facebook, or Google account to sign in to the deposit form.

NACDA has two options for sharing your data!

Use this decision tree to determine which option best meets your needs — NACDA curated or the NACDA Open Aging Repository (NACDA-OAR).

NACDA offers curation services as staff obtain, process, preserve, and disseminate electronic data to researchers for secondary analysis in aging research. After a data collection is deposited with NACDA, the data and documentation will be reviewed, enhanced, and made available in several widely used formats, including ASCII, tab-delimited (for use with Excel), SAS, SPSS, and Stata. Documentation is provided as PDF.

The NACDA-Open Aging Repository (NACDA-OAR) offers free self-publishing options for gerontological researchers to share their research projects. Data collections published in NACDA-OAR are immediately distributed as-is for research use in the same condition and format submitted by the depositor.

Tips for Preparing Data for Deposit at NACDA

The main idea is to provide complete data, documentation, and metadata (study level and variable level) so that your data can be easily reused and replicated. Preparing your data will help reduce the time it takes to fully curate it, increase secondary usage, ensure consistency in use across statistical packages, and ultimately stand the test of time against changes in software.

How do you ensure your materials are “complete”? What should your deposit include? Review our Data Sharing Best Practices for NIA Funded Research.

Need help assessing how to prepare your materials or address data confidentiality? Please contact us.

Review our Depositor Agreement and Depositor Checklist (based on best practices) for more details.
NACDA-OAR: Self-Published Data and Code Sharing

About the NACDA - Open Aging Repository

The NACDA - Open Aging Repository (NACDA-OAR) from the National Archive of Computerized Data on Aging (NACDA) offers free self-publishing options for gerontological researchers to share their research projects. Data collections published in the NACDA-OAR are immediately distributed as-is for immediate research use. NACDA-OAR services are primarily meant to be a resource for NIA-funded projects, although all aging-related data may use the service.

NACDA-OAR self-publications should include all data, annotated program code, command files, and documentation that are needed to replicate research findings. For general instructions for publishing data, see the NACDA-OAR Deposit Instructions. For best practice in preparing data for sharing, please refer to ICPSR's Guide to Social Science Data Preparation and Archiving.

Start Your Deposit

NACDA's Role

NACDA does not alter datasets deposited in NACDA-OAR in any way. Data are distributed in the same condition and format submitted by the depositor.

NACDA-OAR is one of many services provided by the NACDA Program on Aging to archive and promote gerontological research, aging health and a better understanding of the life course. Please contact NACDA at icpsr-nacda@umich.edu with any questions you might have about your data and archiving options.

NACDA staff may review data deposited and published to the NACDA - Open Aging Repository at random. If any issues are found during these random reviews, NACDA will contact depositors to remediate the concerns. In the event any data contain direct identifiers or pose a risk to respondent anonymity, NACDA reserves the right to make the data unavailable.

Confidentiality and Copyright

Researchers publishing data in NACDA-OAR are entirely responsible for ensuring the confidentiality of their research subjects. Self-publishers are also required to affirm that they have the right to publish this material. NACDA-OAR requires written permission for distribution of data, but copyright remains with the author.
Why Self Publish with NACDA-OAR?

- Great for code sharing and replication data
- You control the content and version control
- Quick availability and DOI
- Discoverable through ICPSR and NACDA site searches
- Track usage of your project
The National Archive of Computerized Data on Aging (NACDA), located within ICPSR, is funded by the National Institute on Aging. NACDA’s mission is to advance research on aging by helping researchers to profit from the under-exploited potential of a broad range of datasets.

NACDA acquires and preserves data relevant to gerontological research, processing as needed to promote effective research use, disseminates them to researchers, and facilitates their use. By preserving and making available the largest library of electronic data on aging in the United States, NACDA offers opportunities for secondary analysis on major issues of scientific and policy relevance.

The NACDA staff represents a team of professional researchers, archivists and technicians who work together to obtain, process, distribute, and promote data relevant to aging research.

Regularly Includes:
- Recent releases
- Outreach efforts
- New Resources
The focus of the NACDA Podcast Series and Researcher Interviews is to connect with the gerontological research community. We will highlight data resources, researchers and principal investigators in order to talk through data concerns as well as learn the stories behind the projects. Have suggestions or questions? Email us at lara@nacdaumich.edu.
Recap

- We are working to make data on aging resources interoperable to further the potential research use
- NACDA represents **FREE** data on aging and resources to the research community
- Check out our Colectica portal for cross-series comparisons and custom data extracts
- Visit nacda-aging.org for whole datasets and data user support
- Make sure to check our related publications to see what’s happening with the data
- Contact us if you have used data we host in your publication so we can link it to the study
- Share your data and code with us – visit our deposit page for details
- Sign up for our quarterly newsletter to stay in the know
Thank You!

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- NACDA YouTube Playlist
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- Contact User Support at ICPSR-help@umich.edu
- OR contact us at NACDA directly by emailing icpsr-nacda@umich.edu